

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P21847	Application No. 10/026,459
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Yasushi NAGATA et al.	
				Filing Date December 27, 2001	Group 2817

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
		5 9 9 0 7 3 2	11/23/99	FURATANI et al.							
		5 7 8 3 8 7 6	07/21/98	FURATANI et al.							
		8 0 3 4 5 7 1	03/07/00	UNO							
		5 3 3 6 8 5 5	08/09/94	KAHLERT et al.							
		5 7 9 6 1 6 9	08/18/98	DOCKERTY et al.							
DT		5 9 8 5 4 1 4	11/16/99	FUKUDA et al.	428	192					
DT		5 9 5 2 7 0 9	09/14/99	KITAZAWA et al.	257	604					

FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO				
		0 7 0 4 9 2 5	04/03/96	E.P.O.							
		8 1 6 2 8 0 1	06/21/96	JAPAN							
		0 9 1 0 1 6 3	04/21/99	E.P.O.							
		1 1 1 0 3 2 2	04/13/99	JAPAN							
DT		5 - 7 4 6 4 4	03/26/93	JAPAN	H01G	1/035		X			
DT	6	3 4 9 6 7 9	12/22/94	JAPAN	H01G	4/42		X			
DT		8 - 1 7 6 7 6	01/18/96	JAPAN	H01G	4/30		X			
DT	6	1 2 9 3 0 9 7	12/23/86	JAPAN	H04R	17/00		X			
DT	9	- 1 2 9 4 4 7	05/16/97	JAPAN	H01F	17/00		X			
DT		0 9 7 7 2 9 8	02/02/00	E.P.O.	H01P	1/04					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
1	English Language Abstract of JP 8-162801.	
2	English Language Abstract of JP 11-103229.	
DT	3	English Language Abstract of JP 5-74644.
DT	4	English Language Abstract of JP 6-349679.
DT	5	English Language Abstract of JP 8-17676.
DT	6	English Language Abstract of JP 61-293097.
DT	7	English Language Abstract of JP 9-129447.

EXAMINER: <i>Kenneth J. ...</i>	DATE CONSIDERED: <i>2/5/2004</i>
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DT	5 9 9 0 7 3 2	11/23/99	FURUTANI et al.	327	565	
DT	5 7 8 3 9 7 6	07/21/98	FURUTANI et al.	333	134	
DT	6 0 3 4 5 7 1	03/07/00	UNO	331	67	
DT	5 3 3 6 8 5 5	08/09/94	KAHLERT et al.	174	250	
DT	5 7 9 6 1 6 9	08/18/98	DOCKERTY et al.	257	780	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DT	0 7 0 4 9 2 5	04/03/96	E.P.O.	H01P	3/08	
DT	8 - 1 6 2 8 0 1	06/21/96	JAPAN	H01P	1/15	X
DT	0 9 1 0 1 6 3	04/21/99	E.P.O.	H03B	1/04	
DT	1 1 1 0 3 2 2 9	04/13/99	JAPAN	H03H	7/075	X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	1	English Language Abstract of JP 8-162801.
DT	2	English Language Abstract of JP 11-103229.

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Dean Takahara

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4/12/04

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